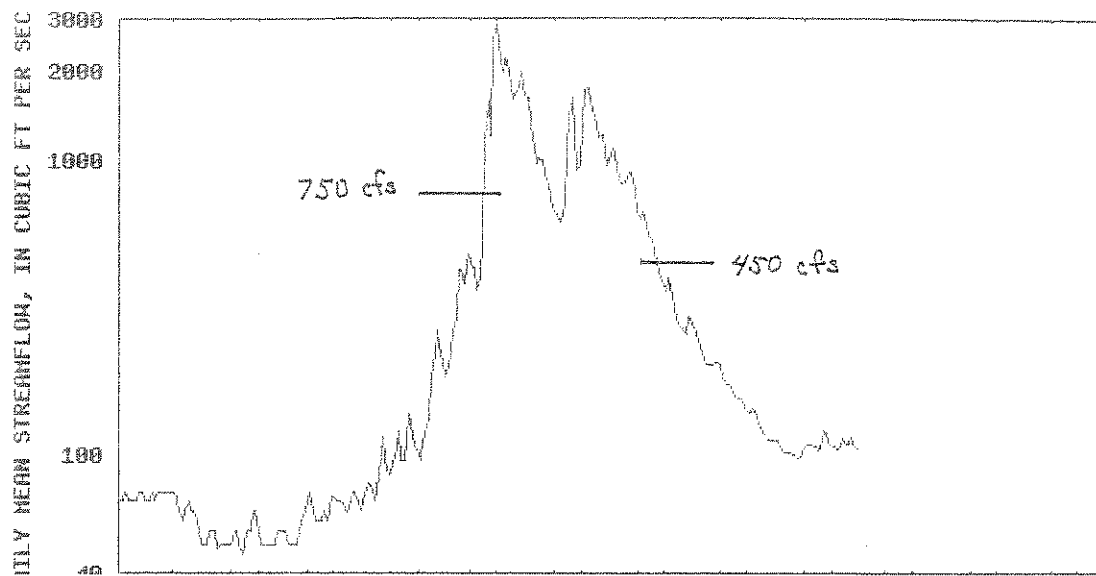


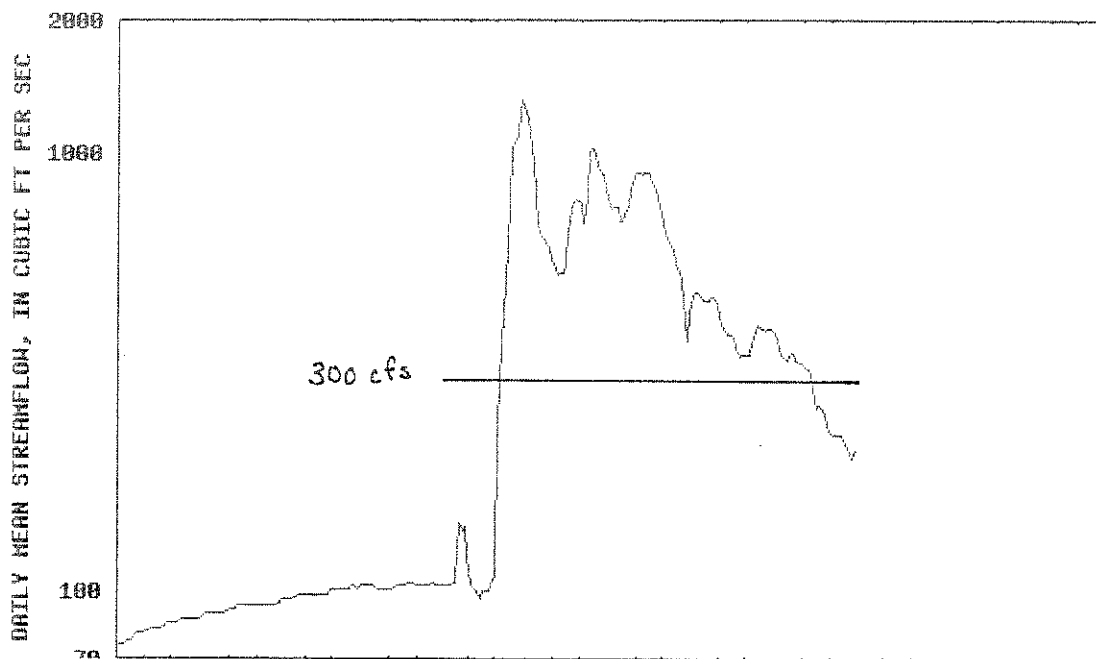
Big Lost River Basin - Water District 34  
Managed Recharge Report for 2005

Presented on March 6, 2006  
At the Annual Water District Meeting held in the  
Mackay High School Auditorium

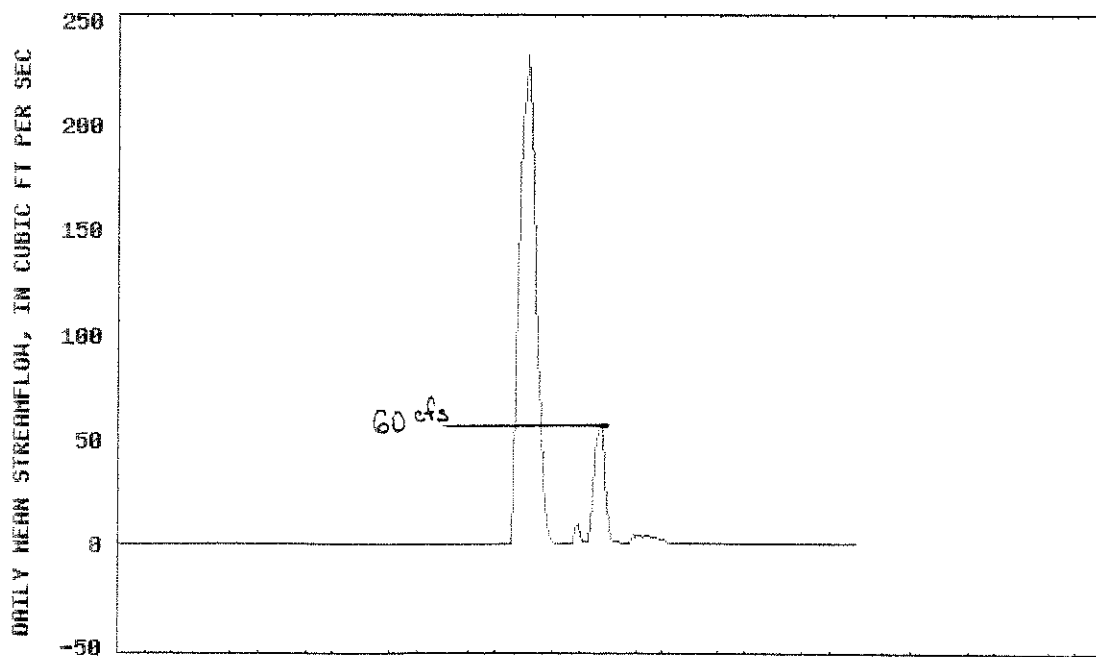
USGS 13120500 BIG LOST RIVER AT HOWELL RANCH NR CHILLY ID



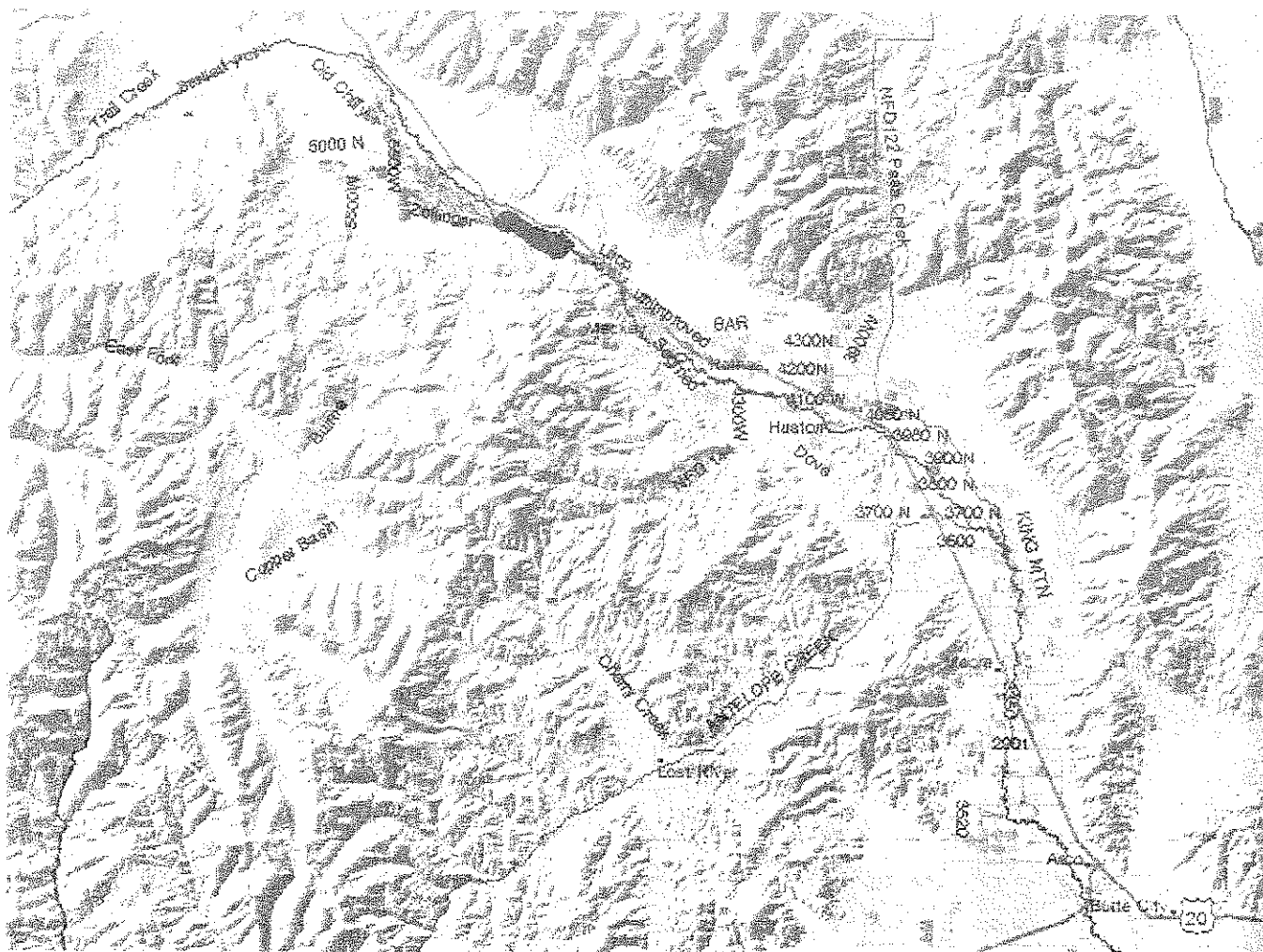
USGS 13127000 BIG LOST RIVER BL HACKAY RES NR HACKAY ID



USGS 13132500 BIG LOST RIVER NR ARCO ID



Jan 01Feb 01Mar 01Apr 01May 01Jun 01Jul 01Aug 01Sep 01Oct 01Nov 01Dec 01



Basin 34 Managed Recharge Site(s)	Period of Diversions	Managed Recharge Diversion Quantities	Percolation Losses	Recharge Credits	Depl./Rech. Factor 13%	Mitigation Credits
(5) Above Reservoir	May 25 – Jun 26					
(25) Below Reservoir	May 22 – Jun 26					
(30) sites in the basin.		not sorted (Canal/Ditch)	30-40%			
Quantities recognized by IDWR		not sorted (Gravel Pits)	100%			
(see IDWR Fax dated Aug. 23, 05)		No Details Available		28,676 AF	13%	3,728 AF
2 <sup>nd</sup> Semester Mitigation Requirement Shortage						305 AF

Seasonal Mitigation Requirements	6,110 AF	(2,034 AF in 1 <sup>st</sup> Semester; 4,067 AF in 2 <sup>nd</sup> Semester)
2005 Irrigation Season Summary	May 1	July 23
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
	Oct 15	

Date Mackay Reservoir Filled May 25  
 Date 1905 priorities became non-deliverable July 11  
 Date Big Lost River became administratively disconnected July 22

**Items that need our attention and correction in 2006:**

- 1.) Direct control and measurement of all water supplies diverted into managed recharge sites.
- 2.) Proper recognition of periods when managed recharge from water rights 34-7571 and 34-7573 can occur.
- 3.) Accurate monitoring of percolation and seepage losses in conveyance canal/ditches.
- 4.) Accurate accounting procedures of all managed recharge water supplies.

**How can Water District 34 water users help?**

Contact your area Recharge Committee Member if you have suitable property for a recharge site.

	Above Reservoir	Res. to Moore Div.	Moore Div. to Arco Div.	Below Arco	Antelope Drainage
SW	Herb Witworth	Marx Hintze	Randy Pehrson	Harvey Walker	Randy McAfee
GW	Terrence Donahue	Randy Purser	Mitchell Sorensen	Larry Quist	
	City Representative	Non-water User Landowner	Watermaster		
	Ed Madsen	Chris Merrill	Bob Duke		

Oct. 4. 2005 8:27AM

Idaho Dept of Water Resources

No. 5707 P. 2



State of Idaho

## DEPARTMENT OF WATER RESOURCES

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098  
Phone: (208) 287-4800 Fax: (208) 287-6700 Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

**COPY**

DIRK KEMPTHORNE  
Governor  
KARL J. DRISHER  
Director

August 23, 2005

BOB DUKE  
WATERMASTER, WATER DISTRICT NO. 34  
PO BOX 53  
MACKAY, ID 83251-0053

Re: IDWR's Letters of July 8, 2005 and August 12, 2005

Bob,

Some recharge diversions were omitted from the recharge mitigation credit calculations in the above referenced letters. Specifically, diversions to the Above Reservoir Gravel Pit were omitted from June 23 through 26, and from the 3 in 1 Antelope and the UCC Blaine Diversions from June 23 through July 5. As a result, IDWR recognizes an additional 105 acre-feet credit towards mitigation from recharge. The total cumulative volume for mitigation from recharge for the season is 3,728 acre-feet. The water district must still provide 305 acre-feet of mitigation for the second semester period (July 23 through October 15).

Sincerely,

A handwritten signature in cursive script that reads 'Tom Luke'.

Tom Luke  
Water Distribution Section

cc: IDWR Eastern Region - Idaho Falls  
WD 34 2005 file